

REC'D NOV 19 1987

MATERIAL SAFETY DATA SHEET

HYSOL AIP DIVISION  
THE DEXTER CORPORATION  
2850 WILLOW PASS ROAD  
POST OFFICE BOX 312  
PITTSBURG, CA 94565

PHONE: (415) 687-4201

AB9174

REVISION: 01 09/09/87

934 NA

HMIS CODE: H F R P  
2 1 1 C

Information contained herein is believed to the best of Hysol's knowledge to be true and accurate. Compliance with applicable Federal, State and local laws and regulations are the responsibility of the user. This data relates only to the specific product designated on the Material Safety Data Sheet, and is not for use in connection with any other material or product.

It is not to be expected that this Material Safety Data Sheet can address all possible individual situations. In order that the Material Safety Data Sheet serve its intended purpose as an effective means of hazard communication, the health and safety information on the form must be provided and its importance emphasized to all those who handle or use the product by developing work practice guidelines and employee instructional programs for the individual operation.

The user has the responsibility to provide a safe workplace by examining all aspects of an individual operation to determine if, or where, precautions, in addition to those described herein, are necessary.

* N.A. = Not Applicable	HMIS: Hazardous Materials Identification System, National Paint and Coatings
N.E. = Not Established	Association Rating applies to product "as packaged" (i.e. ambient temperature)
0 = Insignificant	H = Health F = Flammability R = Reactivity P = Protective Equipment
1 = Slight	CARC: Carcinogen or Potential Carcinogen
2 = Moderate	NTP: National Toxicology Program
3 = High	IARC: International Agency for Research on Cancer
4 = Extreme	OSHA: Occupational Safety and Health Administration

SECTION I - NOMENCLATURE

TRADE NAME AND SYNONYMS

EA 934 PART B

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	OSHA PEL	ACGIH TLV	CAS NBR	PCT	CARC
Epoxy Resin System	N.A.	N.A.	N.A.	N.A.	NO
Diethylenetriamine	N.A.	N.A.	111-40-0	<15	NO
Triethylenetetramine	N.A.	N.A.	112-24-3	<10	NO

SECTION III - PHYSICAL DATA

BOILING PT (DEG. F)	405	SPECIFIC GRAVITY	0.951
VAPOR PRESSURE (MM HG)	0.37mm	PCT VOLATILE BY VOL	N.A.
VAPOR DENSITY (AIR=1)	3.48	EVAPORATION RATE	Nil

HYSOL AIP DIVISION  
EA 934 NA PART B

DATE: 10/26/87  
PAGE: 1 OF

---

**SECTION III - PHYSICAL DATA**

---

AB9174 ..... CONTINUED

SOLUBILITY IN WATER 100%

**APPEARANCE AND ODOR-**

Amber liquid with ammoniacal odor

---

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

---

FLASH POINT (DEG. F) &gt;200 METHOD USED T.C.C.

LOWER EXPLOSION LIMIT N.A. UPPER LIMIT N.A.

**EXTINGUISHING MEDIA-**

Dry chemical or Halon fire extinguisher, or water spray, foam or fog.

**SPECIAL FIRE FIGHTING PROCEDURES-**

Use self-contained breathing apparatus when fighting fires in confined areas.

**UNUSUAL FIRE AND EXPLOSION HAZARDS-**

Dense smoke and toxic gasses may be liberated.

---

**SECTION V - HEALTH HAZARD DATA**

---

**HEALTH HAZARDS (ACUTE AND CHRONIC)-**

Material is corrosive to skin. May cause chemical burn to eyes and skin. Repeat contact may cause sensitization. Vapors irritating and may cause chest discomfort and bronchitis symptoms.

**ROUTE(S) OF ENTRY-**

Inhalation, Skin, Ingestion

**SIGNS AND SYMPTOMS OF EXPOSURE-**

Possible burns to eyes and skin; irritation and possible sensitization to skin. Irritation to upper respiratory tract.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE-**

N.A.

**EMERGENCY AND FIRST AID PROCEDURES-**

Flush skin and eye contact with plenty of water. Wash thoroughly with soap and water, rubbing alcohol or hand cleaner. Do not use solvents. Remove soiled clothing and wash before reuse. If irritation persists, see physician.

**NOTES TO PHYSICIANS-**

N.A.

---

**SECTION VI - REACTIVITY DATA**

---

STABILITY STABLE

**CONDITIONS TO AVOID-**

N.A.

**INCOMPATIBILITY (MATERIALS TO AVOID)-**

Strong oxidizing agents, strong Lewis or mineral acids.

**HAZARDOUS DECOMPOSITION PRODUCTS-**

CO, NOx, aldehydes, acids and undetermined organics.

**HAZARDOUS POLYMERIZATION-**

May occur

**CONDITIONS TO AVOID-**

Avoid mixing resin and curing agent in batches greater than 1 pound total. Do not heat mixed adhesive unless curing surfaces to be bonded. Failure to observe caution may result in excessive heat build-up with the release of toxic gasses.

---

**SECTION VII - SPILL OR LEAK PROCEDURES**

---

HYSOL AIP DIVISION  
EA 934 NA PART BDATE: 10/26/87  
PAGE: 2 OF

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-  
Wear protective clothing, gloves and safety glasses. Scrape up and transfer to metal container. Wipe up remaining residue with solvents, observing solvent flammability cautions.

WASTE DISPOSAL METHOD-

Dispose of as hazardous waste according to DOT hazard class. If not regulated by DOT, dispose of as ORM-E.

PRECAUTIONS TO BE TAKEN IN HANDLING-

Keep cool in accordance with label instructions.

OTHER PRECAUTIONS-

Follow recommended curing schedule.

STORAGE:

Store at room temperature (77 deg. F) for 12 months.

---

SECTION VIII - SPECIAL PROTECTION INFORMATION

---

RESPIRATORY PROTECTION (SPECIFY TYPE)-

Not needed with good industrial ventilation.

VENTILATION-

Local exhaust recommended.

PROTECTIVE GLOVES-

Impervious plastic or rubber.

EYE PROTECTION-

Safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT-

As needed to protect skin and clothing.

---

SECTION IX - SPECIAL PRECAUTIONS

---

PRECAUTIONS TO BE TAKEN IN STORAGE AND HANDLING-

Keep cool in accordance with label instructions.

OTHER PRECAUTIONS-

Follow recommended curing schedule.

---

SECTION X - TRANSPORTATION AND LABELLING

---

DOT PROPER SHIPPING NAME-

Alkaline Liquid, N.O.S.

DOT HAZARD CLASS-

Corrosive Material

UN/NA HAZARD ID NUMBER-

NA 1719

DOT LABEL-

Corrosive

WARNING LABEL-

Danger! May cause severe eye or skin burns. Prolonged or repeated exposure may cause allergic skin reactions. Part B contains Diethylene-triamine. Use only in a well ventilated area. Do not get on skin or clothing. Do not handle or use until the MSDS has been read and understood.

FIRST AID: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Wash skin with soap and water at once. Seek medical attention. Remove contaminated clothing and thoroughly clean before reuse.

IATA PROPER SHIPPING NAME-  
Alkylamines, N.O.S.  
(Diethylenetriamine)

IATA LABEL-  
Corrosive  
IATA PACKING GROUP-  
Group II